## MONTHLY WEATHER REVIEW.

## (GENERAL WEATHER SERVICE OF THE UNITED STATES.)

## MARCH, 1890.

## CONTENTS.

	Page.		Page
INTRODUCTIONData used in preparing Review.	57	ATMOSPHERIC ELECTRICITY	7
CHARACTERISTICS OF THE WEATHER FOR MARCH, 1890ATMOSPHERIC PRESSURE	57 · 58	MISCELLANEOUS PHENOMENA  Drought; Halos; Parhelia; Meteors; Mirage; Prairie and forest fires; Sun spots.	7
Comparison of means of 8 a. m. and 8 p. m. observations with means of hourly observations; General distribution; Com- parison of barometric means with those of previous month; Departures from normal; Monthly barometric ranges; Areas of high pressure; Areas of low pressure.		VERIFICATIONS  Forecasts for 24 hours; Forecasts for 48 and 72 hours; Cautionary signals; Wind signals; Cold-wave signals; Local verifications.	79
NORTH ATLANTIC STORMS	62	STATE WEATHER SERVICES Extracts and summaries from reports of the several services.	79
TEMPERATURE OF THE AIR	65	NOTES AND EXTRACTS	81
Monthly and daily ranges; Frost; Temperature of water.  PRECIPITATION	68	METEOROLOGICAL TABLES	82
WINDS  Prevailing directions; High velocities; Local storms; Tornadoes of the 27th.  NLAND NAVIGATION  Floods; Opening of navigation; Stage of water in rivers and harbors.	73 75	CHARTS—I. Tracks of areas of low pressure; II. Isobars, isotherms, and winds; III. Precipitation; IV. Depth of snow on ground at close of month and limits of freezing weather; V. Weather map, 8 a. m., March 27, 1890; VI. Weather map, 8 p. m., March 27, 1890, storm-track and location of tornadoes of March 27th.	

PREPARED UNDER THE DIRECTION OF BRIGADIER GENERAL A. W. GREELY, CHIEF SIGNAL OFFICER OF THE ARMY.

Weather Bureau Aug 2: 1891 Bevint Room

BY H. H. C. DUNWOODY,

PUBLISHED BY AUTHORITY OF THE SECRETARY OF WAR.

WASHINGTON CITY: SIGNAL OFFICE. 1890.